

## Appendix C

### Current Needs - Approved Water Applications Requiring Funding

As of 12/31/17 (By County)

SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Chestnut Ridge PSD	This project intends to serve approximately 10 new customers on County Route 92/18 and approximately 27 additional customers along Teter Creek Road. This project also intends to replace approximately 15,700 LF of existing troublesome water line as well as replace approximately 59 service lines which are all located along Route 92.	Barbour	2016W-1636	2,531,000.00	
Boone County PSD	To provide potable water to the Woodville, Morrisvale and Cameo areas of Boone and Lincoln Counties	Boone	2013W-1460	3,900,000.00	313,260.00
Boone County PSD	To provide potable water to the residents and businesses of Prenter, Boone County. The area is served by an untreated well and is on the brink of failing to provide service.	Boone	2017W-1711	2,150,000.00	400,000.00
Flatwoods Canoe Run PSD	The project is to extend water to 59 new residents as well as provide additional fire flow service to the Flatwoods Factory Outlet and to support future development in the I-79/Flatwoods interchange area.	Braxton	2014W-1563	3,136,600.00	
Flatwoods Canoe Run PSD	This project is to extend services and provide quality and dependable potable water and fire protection service to approximately 39 customers in the Holly and Otter Magisterial Districts of Braxton County, West Virginia.	Braxton	2016W-1626	2,498,027.00	
Salt Rock PSD	The SRWPSD is proposing to extend their distribution system to provide safe, reliable water service to 106 new customers in the vicinity of WV Rt. 2 to Frontage Rd. near the Cabell/Mason county line, Upper Tom's Creek, Big Cabell Creek, Lower Heath Creek, Raccoon Creek, and Cavill Creek and vicinity.	Cabell	2017W-1714	3,660,000.00	
Pleasant Hill PSD	Extension of public water service to the Leaf Bank, Back Fork, Anamoriah, Leading Creek, and Norman Ridge areas of Calhoun	Calhoun	2013W-1394	2,415,000.00	

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Grantsville Town of	Required improvements to the Town of Grantsville's Water Treatment Plant.	Calhoun	2015W-1588	2,097,920.00	
Clay Town of	To provide potable water to approximately 40 customers in the Blue Knob area of Clay County. The project consists of 23,000 LF of waterline, a storage tank and booster station.	Clay	2014W-1506	2,100,000.00	
Birch River PSD	The Birch River Public Service District desires to extend public water service to approximately 30 new customers in the Rockcamp and Wilson Ridge areas of Clay County, West Virginia. The project includes the installation of one booster station and one pressure reducing station.	Clay	2017W-1685	1,667,870.00	344,000.00
Doddridge County PSD	The Big Flint Water Line Extension will serve approx. 339 new customers. Will tie-in to Town of Salem existing system at 1,000 feet SE of US Rt 50 & Rt 23 intersection. Current residents utilize wells, springs & cisterns as sources of drinking water. This will require approx. 70,435 LF of 8", 30,525 LF of 6", 5,815 LF of 2", 65 gate valves, 60 fire hydrants, 12 automatic air release valves, 339 3/4" meters, one booster pump station, one water storage tank, & necessary appurtenances	Doddridge	2016W-1634	7,919,435.00	
Page Kincaid PSD	PKPSD received a DWTRF design grant to perform a system wide contamination/leak study. The proposed water system improvements project will address the identified leaks and address deficiencies noted in the 10-19-2010 study conducted by BPH	Fayette	2012W-1378	1,400,000.00	
Armstrong PSD	Replacement of Powellton water storage tank with an apx 150,000 gal storage tank, upgrade apx 10,000 LF of existing waterline in the Powellton area & apx 9,000 existing waterline in the Deepwater area, as well as providing fire protection to the Deepwater area.	Fayette	2016W-1628	2,515,000.00	
Page Kincaid PSD	Water Treatment Plant, Booster Station and Water Storage Tank upgrades	Fayette	2016W-1668	3,534,000.00	

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Lewisburg City of	The City of Lewisburg has decided to undertake a water system improvements project that includes a new treatment plant, new raw water intake and line, distribution system work that will include new water storage tanks and/or renovation of the existing tanks and the abandonment of 2 existing booster stations.	Greenbrier	2014W-1536	31,678,317.50	1,589,350.50
Central Hampshire PSD	The project includes the following four components: Green Spring WTP upgrade, Springfield Rehabilitation, Grace Cabin Water Line Extension and Various Tank Re-paintings.	Hampshire	2017W-1710	3,000,000.00	
Weirton Water Board	Water plant and line improvements to prevent loss of water service due to main line disruption as happened in the past.	Hancock	2015W-1580	6,900,000.00	
Lumberport Municipal Water Works	The Project will involve upgrading the Town's aging and deteriorating distribution system and improvements to the WTP, in effort to eliminate substantial problems in the system due to age and material types in place.	Harrison	2013W-1456	2,100,000.00	
Greater Harrison County PSD	Greater Harrison County PSD plans to extend water service to customers along Hoop Pole Run Road, Long Run Road and Steven's Run Road,	Harrison	2015W-1566	2,326,000.00	
Salem City of	Proposed upgrades/line replacements to the city's potable water distribution system and water storage facilities to include construction of a 350,000 water storage at a new location and approximately 10,000 LF of water line replacement/upgrade varying in size from 4" to 8".	Harrison	2017W-1676	1,520,000.00	20,000.00
Jefferson County PSD	Purchase of Jefferson Utilities Inc. Water Systems in Jefferson Co. & upgrade of their Water Systems in Westridge Hills, Harpers Ferry Campsites & Keyes Ferry Acres	Jefferson	2014W-1537	22,650,000.00	
Branchland-Midkiff PSD	Ranger; Construction of approximately 28,990 lf of 6" and smaller water mains, one booster station with bladder tanks, hydrants and valves	Lincoln	2011W-1298	2,320,000.00	

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Lincoln PSD	Replaced 2010W-1178; Hamlin, construction of approximately 93,600 feet of 8" and smaller water main, one 100,000 gallon tank, fire hydrants, valves and other related items.	Lincoln	2013W-1393	5,980,000.00	175,000.00
Lincoln County PSD	Lower Mud River Water Extension Project Phase II will make service available to approximately 70 potential residents and small commercial customers in the Lincoln County communities of Lower Mud River, Buffalo Creek, Little Buffalo Creek, and surrounding areas. Water for the project will be purchased from the West Virginia American Water Company's Water System at Hamlin.	Lincoln	2017W-1671	2,337,000.00	
Chapmanville Muncipal Water	The proposed project will improve reliability and enhance service to approx. 173 existing residential and commercial customers. Construction includes 16,100 l.f. of 6" and smaller diam. water main, hydrants, valves, indiv. cust. svcs., and related items.	Logan	2013W-1440	2,529,000.00	
Logan County PSD (Water)	The project consists of 7,160 lf of 6" and smaller water main; fire hydrants, valves and other related appurtenances. Project will serve six potential customers (15 persons) in the Logan County community of Frye Hollow.	Logan	2013W-1458	870,000.00	11,000.00
Logan County PSD	Big Harts Phase IV Waterline Extension is the final phase of the Big Harts project. This phase will make service available to approximately 163 potential new customers (410 persons) and 140 existing customers in the Mud Fork Area. The project consists of approximately 69,040 linear feet of 8" and smaller diameter water main, one 151,000 gallon water storage tank, one 150 gpm booster pump station, two pressure reducing stations, valves, fire hydrants, individual customer services, and other related appurtenances.	Logan	2017W-1684	5,560,000.00	200,000.00

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Rivesville Town of (prior 2013W-1428)	Proposed project will replace the water supply line from the Bellview master meter in Fairmont to the meters at Hawkinberry Hollow outside of Rivesville.	Marion	2017W-1677	2,417,895.00	300,000.00
Farmington Town of (Prior 2015W-1570)	Water line replacement in the northwest area in the Town of Farmington and for Little Laurel Run Water Assoc., installation of a telemetry system to control the operation of Little Laurel Run booster pump station and monitor storage tank water levels. This project also proposes to renovate the existing 100,000 gallon water storage tank and upgrading the existing water booster pump station for the Little Laurel Run system. This project description amends the original project by not replacing the water lines in the Lincoln Heights Improvement Association. This is due to the Lincoln Heights water system being in good shape.	Marion	2017W-1681	1,025,000.00	
Cameron City of	Make improvements to the City's Water System and Extend Water Service approximately 1.6 miles along Green Valley and Tunnel Hill Roads to serve 52 new customers	Marshall	2013W-1448	1,710,951.24	103,161.24
Marshall County PSD	The Marshall County PSD No. 4 proposes to extend water service to 16 households in the Adaline area of Fish Creek that are currently served by private wells or cisterns. Additionally, the PSD will purchase and install 1,742 new radio read meters to all existing customers and replace the Riggs Knob 53,000 gallon water storage tank with a new 69,000 gallon water storage tank, and provide a top coat of paint on the exterior walls and roof of the Fork Ridge #1 Tank	Marshall	2016W-1651	1,367,300.00	100,000.00
Welch City of	Renovations to the City of Welch water treatment facility.	McDowell	2013W-1446	3,850,088.00	
McDowell County PSD	To replace the current water systems in the Towns of Northfork and Keystone in McDowell County, WV.	McDowell	2014W-1513	6,000,000.00	

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Welch City of	Due to fairly recent mudslides and lack of accessibility, the City of Welch wants to upgrade and relocate lines along Riverside Drive and McDowell Street within city limits. The upgrade and replacement of these lines will benefit customers within the City and customers within the County.	McDowell	2014W-1551	3,782,500.00	80,000.00
Lashmeet PSD	Mary Branch; construct a water distribution system and water storage tank to serve the Mary Branch area, conduct water loss study and connect to the existing Matoaka Water System, and extend waterline to the Matoaka area.	Mercer	2011W-1302	6,447,822.00	860,000.00
Bluewell PSD	Provide water to Mercer County Airport and other potential residential and commercial customers along Route 52 and Airport Road.	Mercer	2015W-1617	3,494,000.00	
Bluewell PSD	Provide water service to customers in the Browning-Lambert Mountain and Montcalm areas in Mercer County, provide improved fire hydrant coverage to the existing Montcalm Elementary school and additional existing customers in the vicinity, and put new facilities in place that will position the PSD for future extensions to customers in the Rock and Crystal area.	Mercer	2016W-1629	3,520,000.00	
Mingo County PSD	Replaced 2009W-1125; Wharncliffe; extend water service to approx. 309 customers in Ben Creek area, including areas of County Route 8/1, 8/9, and sections of CR 8 and CR 10/1.	Mingo	2012W-1327	4,756,000.00	
Mingo County PSD	The proposed Beech Creek Water Main Extension Project is being implemented by the Mingo County Public Service District (MCPSD) and is necessary to provide quality and dependable potable water and fire protection service to approximately 252 residences in the Magnolia Magisterial District of Mingo County, West Virginia. This project will be supplied via the Mingo County PSD's Naugatuck Water Treatment Plant.	Mingo	2014W-1550	4,798,000.00	

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Williamson City of	Upgrade of Williamson's water system including construction of 15,100 l.f. of 24in and smaller water main, three 2,500gpm treatment plant high service pumps, 500gmp booster station, four new water storage tanks, rehab of existing tank, numerous pressure reducing stations, back up generators, telemetry, hydrants, valves and related appurtenances.	Mingo	2015W-1587	12,578,000.00	
Gilbert Waterworks Town of	The proposed River Bend Road Waterline Extension Project will make service available to approximately thirty three potential residential and small commercial customers (82 persons) between the Mingo County communities of Verner and Paynter Bottom. The project consists of the construction of approximately 13,210 linear feet of 8-inch and smaller diameter water main, one 250 gallon per minute booster station, one 200 gallon per minute booster station, fire hydrants, valves, individual customer services and other related appurtenances.	Mingo	2015W-1605	2,229,000.00	
Mingo County PSD	The Twisted Gun Water Extension Project will consist of the construction of approximately 10,600 feet of 8-inch diameter and smaller water line, a sixty gallon per minute booster pumping station, a one-hundred-thousand-gallon elevated water storage tank and other related appurtenances. The project could be supplied by either the recently completed Ben Creek Phase I water main extension project or the proposed Ben Creek Phase II water main extension project.	Mingo	2016W-1659	1,740,600.00	350,000.00
Clay Battelle PSD	Replace main pump sta.; booster sta. in Pedlar Run; Telemetry; Flow meters & pressure gauges; 4 backup generators; Paint & fence 3 ex. tanks; Line upgrade/new tank n Wadestown; Office/shop; Map system; Ext. for 5 cust. n Mahogany Run area & 5 n Sine Hollo	Monongalia	2013W-1399	5,379,958.00	

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River Road PSD	The project proposes to replace water lines in the Booth Area and Birchfield Area; replace the Old Steel Harmony Grove Tank; install controls to improve water storage turnover at Hildebrand Tank; and upgrade piping at the existing booster pump station.	Monongalia	2015W-1565	2,546,000.00	
Union Town of	Extension of Water Service from The Town of Union two miles north on US Rt. 219 to the UTC Aerospace Systems Plant in Monroe County.	Monroe	2015W-1560	2,530,000.00	
Union Town of	Extension of water line to approximately 89 customers in the community of Pickaway, north of Union on U. S. Route 219.	Monroe	2015W-1577	2,320,000.00	
Red Sulphur PSD	Extension of water line to 77 potential customers on Adair Road north of U. S. Route 219 and west of State Route 12, between Peterstown and Cashmere in Monroe County, WV.	Monroe	2015W-1578	2,170,000.00	
Bath/Berkley Springs Town of	The project involves the replacement of additional existing water lines in the Town of Bath. Including replacing @ 15,575 feet of water lines ranging in size from ¾" to 6". The project will include replacing @ 100 existing meter services and miscellaneous valves and road repairs. The goal of the project is to reduce water loss and enable the Berkeley Springs Waterworks to be more sufficient.	Morgan	2016W-1638	2,000,000.00	500,000.00
Fenwick Mountain Public Service District	Construct (1) 50,000 gal water storage tank, rehab (1) booster, replacement of (1) booster, adding valves, water meters & telemetry	Nicholas	2013W-1421	1,459,000.00	
Richwood City of (IJDC Soft Cost)	he City of Richwood is proposing to extend public water service to approximately 118 customers in the Hinkle Mt./Little Laurel communities outside the corporate limits; limited existing water quantities and quality. Health Department requirements upgrades at plant.	Nicholas	2014W-1529	6,530,000.00	100,000.00



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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Craigsville PSD	Project will provide water service to the residents along County Rt 3 beginning where it intersects with Lick Fork (Route 3/5) & runs to the community of Tioga. Also includes Horse Run, Delphi Rd, Bear Pen Rd, Big Run Rd & Lick Fork Rd. Project will serve apx 110 customers.	Nicholas	2015W-1584	3,738,210.00	
Craigsville PSD	Upgrade to existing water treatment plant, new 50,000 gal water storage tank, dedicated water distribution line from upgraded plant to existing storage tanks	Nicholas	2015W-1590	8,068,000.00	
Nettie Levisay PSD	Rehab to two elevated 125,000 gal storage tanks (1971 era), replacement of nine pressure reducing stations & replacement of 750 water meters (38 or more yrs old).	Nicholas	2015W-1596	2,500,000.00	
Pleasants County PSD	Eureka, extension of public water service to approx. 60 new customers in the Hebron and Rock Run areas.	Pleasants	2012W-1340	1,725,000.00	
Putnam County Building Comm	To serve 39 residences along Manila Ridge with potable water. This project consists of approximately 30,000 lineal feet of 6 inch waterline.	Putnam	2013W-1465	1,676,000.00	76,000.00
Walton PSD	For the Walton PSD, Roane County, to extend its potable water service along Quarry Road and Wolf Run and also provide fire service to the Camp Shepard 4-H Campsite.	Roane	2015W-1564	2,349,550.00	
Clay Roane PSD (Prior 2013W-1	Clay Roane PSD water extension to serve Garner Branch and Pine Grove areas, two new tanks, plus various system improvements and upgrades.	Roane	2017W-1688	2,854,960.00	
Reedy Town of	This project will extend water service to approximately 70 new households in the Middle Fork area of Roane County.	Roane	2017W-1692	1,985,000.00	
Parsons City of	This project is to provide an emergency connection between two water systems (City of Parsons and Hamrick PSD)that will provide a secondary water source for each system. This project will allow compliance with Senate Bill 373.	Tucker	2015W-1573	575,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Davis Town of	This project will make improvements to the Town's water distribution system by replacing their old, deteriorated water lines.	Tucker	2016W-1633	2,335,000.00	85,000.00
Tyler PSD	Extension of Tyler PSD's water service around the Town of Middlebourne, serving 43 proposed residential customers along WV Rt. 18 South to A.I. Boreman Elementary and 20 additional customers in the Friendly Hill and Clark Ridge areas.	Tyler	2015W-1575	1,919,800.00	
Elkins Road PSD	This project will make improvements to Elkins Road PSD's existing water distribution system and extend potable water to Beech Run, Hawkins Road, Upper Childers Run, Jackson Road/Winery Road, Wolfe Ridge Road, Fortney/Snyder Road (Upper Sand Run), Audra Road/Braddock Lane, Radabaugh Ridge/Handy Camp Road, Kedron Road and Osborne Run Road.	Upshur	2016W-1632	6,500,000.00	
Crum PSD	Genoa; Project will extend water service to approx. 162 customers in the Wayne County community of Sidney, including WV Route 152, and County Routes: 32, 32/1, 52/14, 52/55, 52/72, 52/15, 30, 52/16, and 52/17.	Wayne	2012W-1326	4,330,000.00	
Kenova Citry of	The proposed Prichard Water Line Extension project is necessary to provide fire protection service and quantity of water needed to serve the Heartland Intermodal Gateway (HIG) in Prichard, Wayne County, WV. Water will be supplied via the Kenova Municipal Water Works (KMWW) Water Treatment Plant. The existing waterline to the Prichard area is inadequately sized to provide the amount of flow needed for the intermodal facility.	Wayne	2015W-1599	4,752,000.00	
Cowen PSD	Waterline extension to households in the area of Rt. 82 in Webster County. Households are currently served by inadequate wells.	Webster	2014W-1525	3,438,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Camden on Gauley Town of	The proposed project will extend the existing water distribution system of the Camden on Gauley Water Works to the areas of Cranberry Ridge and Gauley Mills in Webster County, West Virginia. Approximately 84 potential new customers, who are currently not served with public water, are to be serviced by this project. The project will construct approximately 17,500 LF of new water mains, and will include one booster station.	Webster	2016W-1627	1,355,000.00	
Cowen PSD	The Cowen PSD 300,000+ gallons Webster County High School Tank has experienced a roof support failure and the H-Beams inside the tank holding up the roof have dropped into the tank. The roof is in danger of collapsing. Complete replacement of the tank or replacement of the roof and complete repainting of the tank is imperative for continued water and fire service to the high school, as well as to many customers, including the new customers of the ongoing Erbacon construction project.	Webster	2017W-1708	395,000.00	
Hundred -Littleton PSD	Extend water service approximately 5.8 miles along Rt. 250 and Rt 7 to serve 81 new customers in the Rush Run, Cottonwood, Burton and Pogue Run areas of Wetzel County.	Wetzel	2013W-1441	1,500,000.00	
Wetzel County PSD #1	An approximate 6.5 miles of waterline extensions from the end of the existing system near Jacksonburg on Route 20 to Smithfield. Extension will serve approximately 38 homes. Project includes a pump station to serve an existing tank.	Wetzel	2017W-1701	1,954,000.00	
Lubeck PSD	Extension of public water service to approximately 207 households in the Belleville area of Wood County	Wood	2013W-1462	3,923,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Claywood Park PSD	Project entails miscellaneous water system improvements to enhance hydraulic capacity in two separate parts of the system; provide emergency preparedness through the addition of power generation at the water treatment plant and construction of additional system storage; replacement of old lines that are in the heart of the system; repainting of three tanks and the replacement of two tanks; a small water line extension serving 11 customers; and new equipment at two booster stations.	Wood	2014W-1535	5,043,944.00	
Mineral Wells PSD	Make improvements to the Mineral Wells PSD water distribution system, complete water transmission improvements, and site improvements.	Wood	2017W-1700	3,311,000.00	
Eastern Wyoming PSD	Phase II, Extension of water to serve 130 potential residential/small commercial customers on Barkers Ridge. Includes 78,140 lf of waterline, 100 gpm booster, 130,000 gal tank.	Wyoming	2012W-1388	2,939,945.00	
Eastern Wyoming PSD	Project consists of construction of approximately 134,700' of 6" and smaller diameter water main, one 53,000 gallon water tank, one 74,000 gallon water tank, one 50 gallons per minute booster station, 31 fire hydrants, valves, individual customer services, and other related appurtenances.	Wyoming	2016W-1648	9,410,000.00	
Oceana Town of	Upgrade antiquated pumps and valves at the water treatment plant and replace dilapidated water lines along Route 10, throughout the Town to help reduce water loss.	Wyoming	2017W-1675	4,800,000.00	

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Logan County PSD	To provide service to potential customers in the Upper Huff Creek, Brush Fork, and Road Fork areas of northern Wyoming County. This project consists of construction of approximately 25,640' of 6" and small diameter waterline, one conventional booster station, one constant run booster station, one 54,000 gallon water storage tank, valves, fire hydrants, customer services, and other related appurtenances.	Wyoming	2017W-1690	2,539,000.00	150,000.00

301,864,692.74

5,756,771.74

**Appendix D****Current Needs - Approved Sewer Applications Requiring Funding****As of 12/31/17 (By County)**

SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Century Volga PSD	This sewer system project will evaluate the area of Century/Volga for a new sewer system that would eliminate failing private systems and direct discharges from the area as well as potentially serve 63 customers.	Barbour	2015S-1611	2,870,000.00	
Berkeley County PSSD	The Timberwalk Sewer Extension project will consist of approximately 7500 LF of 8" gravity sewer mains and approximately 35 manholes, that will serve approximately 49 customers and could serve an approximate additional 60 customers in the future due to proposed future development in the Timberwalk and Tanbridge Drive areas	Berkeley	2017S-1689	966,420.00	
Boone County PSD	To Upgrade the current wastewater treatment plant near Danville and rehabilitate the sanitary sewer lines in West Madison	Boone	2013S-1420	4,370,000.00	34,200.00
Burnsville Town of	This project will make improvements to the Town of Burnsville's wastewater collection system.	Braxton	2017S-1678	2,839,000.00	
Wellsburg Sanitary Board	Separation of combined sewers along 6th, 7th and 8th Streets in Wellsburg and sewer treatment plant upgrades	Brooke	2013S-1449	4,000,000.00	
Brooke County PSD	This project will extend sewer service further into the Eldersville Road and St. John's Road area of Brooke County that was considered in the design of the Phase I project. The Phase I project was completed in 2012 and served over 400 customers while the Phase IIA project completed in 2016 served approximately 90 additional customers. This project is expected to serve approximately 122 additional customers without any additional pump stations. These customers will gravity feed into the interceptor installed in the 2016 project.	Brooke	2017S-1680	2,760,000.00	20,000.00

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Pea Ridge PSD	This project will include the construction of a gravity collection system to extend sanitary sewer service to approximately 714 residential and 45 commercial customers along Little 7 Mile Road, through the Kyle Lane Industrial Park Area, to Cox Landing. The project also includes upgrades at the PSD's A Plant to increase treatment capacity required for the additional wastewater flows created by the increased customer base.	Cabell	2017S-1674	29,280,000.00	
Culloden PSD	Project consists of demolishing the existing Wastewater Treatment plant, replacing the Sovine Lift Station with a new (Claxton) Lift Station, along with replacing sewer lines along Virginia avenue and a crossing under route 60. This project was previously project number 2012S-1367 but required a scope change.	Cabell	2017S-1693	2,086,163.00	
Grantsville, Town of	The Town of Grantsville is under a WVDEP order to remedy the system's I&I issues. Approximately 2,600 LF of pipe will be replaced/installed as well as a new grinder station, installation of an aerator in the sludge tank, and structural repairs to WWTP	Calhoun	2013S-1397	1,200,000.00	
Mt Zion PSD	Rehabilitate portions of the Mt. Zion PSD treatment plant and its system's components.	Calhoun	2017S-1702	2,310,000.00	
Montgomery City of	Replacement and relocation of 6th Ave Sewage Pumping station	Fayette	2013S-1478	782,324.00	
Arbuckle PSD (Sewer)	Rehabilitation of the existing Arbuckle Collection and Pumping System to include over 1,500 repairs & renovations to the collection system manholes, reconstruction of 2 main line failures, complete replacement of 9 existing manholes, upgrading of equipment & refurbishing of 4 existing pump stations & the complete replacement of 1 badly deteriorated existing pump station.	Fayette	2014S-1553	3,922,442.00	
Page Kincaid PSD	Extend wastewater service to apx 52 customers in the Robson area	Fayette	2015S-1581	3,000,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Pax Town of	Sewer extension to serve approximately 52 customers in the Willis Branch area just outside the Town of Pax, as well as improvements to the existing treatment lagoon.	Fayette	2015S-1589	2,325,000.00	
Oak Hill City of	Pursuant to an agreement between OHSB & Arbuckle PSD, project proposes consolidation of APSD's dilapidated sewer system with OHSB, including rehab of APSD's system to reduce I/I, construction of a sewage pumping station with force main to transport flows to OHSB's treatment facility & decommissioning of the existing APSD WWTP.	Fayette	2015S-1621	3,500,000.00	
Mount Hope City of	Repair to EQ Basin, pump stations	Fayette	2017S-1673	3,200,000.00	
Kanawha Falls PSD	Improvements to existing WWTP by replacing/repairing old, dilapidated equipment, piping, lighting, etc; rehab of existing collection system lift stations; replace force main #4; purchasing rolling equipment, portable emergency pumps & installing emergency pumping connections on existing lift stations; installing flow meters to property bill City of Smithers & Armstrong PSD for treatment of their wastewater.	Fayette	2017S-1683	6,707,000.00	
Smithers City of (Replaces 2013S-1422)	Separating storm sewer from sanitary sewer to reduce CSO, line replacement, including service laterals, drop inlets, etc.	Fayette	2017S-1698	1,377,549.00	
Sand Fork Town of	This project will make improvements to the Town's sanitary sewer collection and treatment system.	Gilmer	2016S-1662	2,500,000.00	
Romney City of	The City of Romney is proposing a project to replace sewer lines and manholes in Bolton Street, Rannels Acres and Washington Street due to excess I&I	Hampshire	2017S-1672	1,500,000.00	
Greater Harrison County PSD (Enterprise)	Enterprise area addition of customers and collection system.	Harrison	2014S-1510	8,819,000.00	



**Appendix D****Current Needs - Approved Sewer Applications Requiring Funding****As of 12/31/17 (By County)**

SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Clarksburg City of	Phase IV of the Long Term Control Plan consists of the installation of a septage receiving station at the wastewater treatment plant (WWTP), abandonment of the ash lagoon at the WWTP, separation of combined sewer lines in the areas of Glen Elk, Lower Broad Oaks, East End, Stealey, Broadway, and Route 50. The total project cost is \$7,500,000.00 The project is proposed to be funded with a WVDEP SRF Loan.	Harrison	2016S-1655	7,500,000.00	
Cottageville	Approximately 13,700 lf of 8" gravity sewer line, 15,000 lf of 6" force main, 105 manholes, one pumping station to existing WWTP.	Jackson	2012S-1338	2,700,000.00	
Harpers Ferry Bolivar PSD	Harpers Ferry-Bolivar PSD Wastewater Treatment Plant Improvements Phase II	Jefferson	2014S-1487	2,011,695.00	
Jefferson County PSD	Sewer Transmission Upgrade	Jefferson	2014S-1538	7,150,000.00	
Nitro Sanitary Board	Sewer extension to Blakes Creek, Eastwood Acres, Cochrane Lane. Replace Lines on Bailes Drive. Replace Pump Station 6. Telemetry for 8 pump stations. Separation of storm and sanitary sewer in pump station 7 area. Reline 42 inch combined line. New Press	Kanawha	2013S-1427	8,350,000.00	
Elk Valley PSD	To provide sewer service to 265 residences in the Blue Creek/Rt.119, Reamer, and Young's Bottom area of the Elk Valley Public Service District of Kanawha County	Kanawha	2013S-1429	5,973,509.00	
Charleston Sanitary Board	Make improvements within Porter's Hollow sewer shed area: which generally includes apprx. 42,000-lf of replacement san. sewer and apprx. 5,000-lf of san sewer lining. This is part of CSB's CSO LTCP.	Kanawha	2014S-1521	14,934,300.00	
Kanawha PSD	To provide sanitary sewer service from the Marmet WWTP to the 220 Residences and businesses along Route 94 to the Boone County Line.	Kanawha	2016S-1625	5,100,000.00	
Union PSD	Rocky Fork Sanitary Sewer Extension and WWTP Upgrade	Kanawha	2016S-1646	8,637,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Elk Valley PSD	To reconstruct the areas of Hizer Trucking Slip, Reynolds Avenue Permanent Repair, and Reynolds Avenue Mitigation using 75% FEMA funding and the remainder of state and local funding	Kanawha	2017S-1706	1,658,490.00	
Lincoln PSD	Lincoln PSD proposes to build a new wastewater treatment plant and provide sewer service to approximately 224 residential and commercial customers in and around Alum Creek.	Lincoln	2016S-1642	7,900,000.00	
Chapmanville	Replaced 2011S-1301; Chapmanville: Modify and upgrade WWTP, increase capacity, replacement of 15 manholes, 3 pump stations, 1 grinder pump station, and 6,500 lf of gravity sewer line	Logan	2012S-1352	6,821,850.00	
Greater Paw Paw Sanitary District (Soft Cost)	The proposed project will rehabilitate areas of the Sanitary Board's sewer system in accordance with its Long-term Control Plan. Currently these deteriorating areas are allowing inflow and infiltration into the system.	Marion	2013S-1425	3,020,000.00	
Colfax PSD	Colfax is decommissioning there WWTP and extending their sewer lines to Kingmill Valley PSD who will send their sewage to the Fairmont WWTP. Colfax will also be working on I & I reduction.	Marion	2014S-1520	2,141,500.00	
Farmington Town of	This project proposes several upgrades to the existing WWTP and collection system to reduce the amount of I&I in the system and to better treat the influent. Improvements to the plant include replacing the bar screen at the headworks, installing a new flow meter at the headworks, rehabilitation of the oxidation ditch and clarifiers, replacing equipment and adding a new pump to the RAS/WAS holding tank, and general improvements to the building and electrical systems. Collection system improvements consist of manhole rehabilitation and collection pipe cleaning, inspection and installation of Cure-In-Place-Pipe (CIPP) to address I&I.	Marion	2017S-1705	1,410,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Cameron City of	The City of Cameron proposes to complete upgrades to the Waste Water Treatment Plant and separate sections of combined sewer system to bring the sewer system in compliance with their WVNPDES permit.	Marshall	2017S-1704	935,880.00	
Welch City of	This project will upgrade the existing wastewater treatment plant at North Welch and extend service to a total of 98 new sewer customers for the City of Welch.	McDowell	2014S-1489	6,280,000.00	250,000.00
McDowell County PSD	New collection system and package plant for 60 customers (59 dwellings and 1 store)mainly along Route 16 in Coalwood, WV.	McDowell	2015S-1571	1,950,000.00	
McDowell County PSD	To provide service to approximately 112 potential customers in the Town of Iaeger and surrounding areas in McDowell County. Construction consists of approximately 12,000' of 8" and smaller diameter gravity pipe, 11,940' of 4" and smaller diameter force main, 1,920' of 4" service laterals, 4 pumping stations, 3 grinder pump stations, 1 60,000 GPD Wastewater Treatment Plant, 76 manholes, cleanouts, and other related appurtenances.	McDowell	2016S-1631	6,400,000.00	
Oakvale Road PSD	This project is to extend sewer service to portions of the areas of Hill Top Drive, Halls Ridge Road and Melrose Lane East of Princeton, WV.	Mercer	2017S-1713	4,505,680.00	250,000.00
Matewan Town of	The project consists of the construction of approximately 19,000' of 8" gravity pipe, 1,000' of 6" force main, 100 manholes, 2 major pumping stations, service laterals and other related appurtenances. Treatment will be provided by the Town of Matewan's existing wastewater treatment plant. In the Mingo County community of Upper Mate Creek.	Mingo	2015S-1574	5,600,000.00	
Morgantown UB	1. Star City WWTP Upgrades: modifications to headworks, primary treatment, and activated sludge; new silo digester, MBR secondary treatment and UV disinfection; upgrade office/control building; electrical upgrades. 2. Upgrade Poponoe Run Interceptor.	Monongalia	2015S-1600	102,338,289.00	2,200,000.00

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Durbin Town of	Sewage treatment plant upgrade, replacement of disinfection system, replacement of sanitary & storm sewer mains to reduce CSO	Pocahontas	2013S-1464	2,623,805.00	
Pocahontas PSD	Sewer extension to apx 110 customers in the communities of Frank & Bartow.	Pocahontas	2017S-1707	3,640,000.00	
Albright Town of	The proposed project is to rehabilitate portions of their existing sanitary sewer system and extend service to 32 new customers.	Preston	2015S-1567	1,500,000.00	
Preston County PSD (Soft Cost Only)	The project consists of upgrades to the existing collection system and construction of a new wastewater treatment plant. Upgrades to the existing system will consist of upgrading existing sewer lines, decommissioning the Brandonville Pump Station and the Dosing Siphon Station and replacing them with new lift staions and multiple customer service lateral river crossings will be replaced with one single forcemain river crossing. A new SBR plant will be constructed on the site of the existing Bruceton Mills WWTP. New headworks, new basins and equipment, new chlorination basin and equipment, chemical addition for metals removal and a plant office with storage will be constructed.	Preston	2015S-1614	4,225,000.00	
North Beckley PSD	The proposed project is to extend sewer service into the unserved area Piney View along WV Route 41 and Stonewall Road. As well as to alleviate failing septic systems which often percolate well and pollute local streams.	Raleigh	2015S-1576	5,510,600.00	
Crab Orchard MacArthur PSD	Construction of new sewer treatment plant at Holly Hills near Fairdale and the extension of sewer service to approximately 265 new customers in the communities of Glen Daniel - Marsh Fork area of Raleigh County	Raleigh	2015S-1593	13,000,000.00	
Shady Spring PSD	To extend and provide new sewer service in the Pluto Road/Fire Trail areas of Raleigh County West Virginia.	Raleigh	2015S-1609	5,375,171.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Sophia Town of	Extension of sewer service from Sophia to Coal City Mobile Home Park and Coal City to serve 458 new customers. There will be a new "green" sewer plant included as part of this project.	Raleigh	2016S-1658	14,742,000.00	
Beverly Town of	Renovations and upgrades of existing sewage treatment plant, pump stations, and rehabilitation of existing manholes.	Randolph	2013S-1482	6,905,390.00	
Norton Harding Jimtown PSD	This project will extend sewer service to approximately 43 customers in and around the Norton area of Randolph County, WV.	Randolph	2016S-1663	1,200,000.00	
Cairo	This project is necessary due to the Town's wastewater treatment system's integrity being compromised. Several pumping stations' capacity has been exceeded, manholes have failed, pumping equipment needs replaced and corrosion has damaged the treatment plant, and that corrosion is getting progressively worse. To prevent any effluent violations and maintain DEP Compliance, the Town has proposed to make improvements to the wastewater treatment plant and rehabilitate any line or facilities as necessary.	Ritchie	2014S-1503	2,503,325.00	
Ellenboro Lamberton PSD	Improvements to the wastewater collection and treatment system.	Ritchie	2016S-1654	1,845,000.00	
Spencer City of	Spencer's collection system is in need of remediation due to infiltration and inflow issues. Improvements will be made to the wastewater treatment works and crucial equipment replacements throughout the system	Roane	2013S-1438	1,200,000.00	
Reedy Town of	Project consists of improvements to the Town of Reedy's wastewater collection system and treatment plant.	Roane	2014S-1507	632,000.00	
Hinton City of	The City of Hinton will be addressing issues stated in their sewer long-term CSO Plan. This involves upgrades and replacement of sections of sewer lines in the City limits.	Summers	2015S-1585	3,550,000.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Canaan Valley PSD	This project is an extension of sanitary sewer services that will provide sewer service to the customers in the area of Winwood Fly-In Resort, Deerfield Village and Canaan Village. This project is the next phase (Zone B and Zone E) of Canaan Valley PSD's comprehensive sewer plan.	Tucker	2015S-1604	2,350,000.00	
Northern Wayne County PSD	Sewer upgrade for approximately 256 current customers in the Docks Creek drainage area as well as new line extensions for 90 to 95 unsewered homes in the Pine Hill Subdivision area.	Wayne	2014S-1534	237,500.00	
Webster Springs PSD	Replaced 2012S-1372; Construct sanitary sewer collection and treatment system in Bergoo.	Webster	2012S-1384	2,456,650.00	25,000.00
Cowen PSD	Upper Glade Sewer System Extension & Upgrades Phase II - To construct sewer collection system to serve apx 161 new customers & Camp Caesar 4H Camp	Webster	2014S-1515	4,500,000.00	
Pine Grove Town of	Phase II of the Town's Sewer improvements project to replace problem areas served by vacuum systems with grinder pumps and gravity type service	Wetzel	2013S-1431	1,500,000.00	
Elizabeth Town of	Improvements to the Town's wastewater collection system.	Wirt	2016S-1652	3,386,500.00	
Vienna City of	Improvements to the existing 12th Street Lift Station, including pump and internal piping replacement; electrical and controls upgrades; building improvements and bypass structure	Wood	2012S-1358	1,863,590.00	
Williamstown Municipal Sewer	Project entails the replacement of a deteriorated 12" sanitary sewer line crossing WV Route 14 and CSX railroad by boring a new pipe crossing parallel to the existing crossing	Wood	2013S-1439	300,000.00	
Oceana, Town of	The Town of Oceana's current wastewater treatment facilities is producing 177,000 gallons per day over its current design capacity of 500,000 gallons per day. The Town wishes to upgrade the plant to a 750,000 gallons per day facility	Wyoming	2013S-1426	5,370,250.00	

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SPONSOR	PROJECT DESCRIPTION	COUNTY	IJDC #	PROJECT COST	COMMITTED FUNDS
Center PSD	Replacement of approximately 1,250' of 15" pipe, 4,812' of 12" pipe, and 38 existing manholes. Along with improvements at the waste water treatment plant including installing a rotary fan press, changing pre-treatment screens motor replacement	Wyoming	2013S-1434	3,624,983.00	

**TOTAL****397,674,855.00****2,779,200.00**